

## TWO MEXICAN HABENARIAS

BY

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IN the study of Mexican Habenarias the following new species and the new combination were found to be necessary.

### **Habenaria umbratilis** *Ames & Williams sp. nov.*

Herbae terrestres usque ad 4.5 dm. altae. Folia elliptica vel elliptico-lanceolata, quinquenervia. Sepalum dorsale ovato-orbiculare, trinervium, cucullatum. Sepala lateralibus lanceolato-triangularibus, acuta vel obtusa, trinervia, arcuata. Petala lanceolata, acuta, arcuata uni- (vel bi-) nervia. Labellum trilobatum; lobi laterales recurvati; lobus medius anguste ligulatus. Columna generis.

Erect leafy terrestrial herbs up to about 4.5 dm. tall. Stems slender, strict or flexuose, leafy (especially above the middle). Leaves 8-12 cm. long and 2-3 cm. broad, elliptic to elliptic-lanceolate, acute, with five main nerves. Inflorescence up to about 10 cm. long, crowded; bracts 1-3 cm. long, lanceolate, acuminate, usually shorter than the ovary. Flowers small for the size of the plant. Dorsal sepal about 4 mm. long and 3.5 mm. broad, ovate-orbicular, 3-nerved, cucullate. Lateral sepals 4.5-6 mm. long and 2.5-3 mm. broad, lanceolate-triangular, acute or obtuse, 3-nerved, arcuate. Petals about 3.5-4 mm. long and 1.5-2 mm. broad, lanceolate, acute, arcuate, 1- (2-) nerved, with or without a small tooth at the base. Lip 3-lobed, the lobes slender and the lateral lobes longest; lateral lobes about 10 mm. long and about 1 mm. broad, spreading, recurved; mid-lobe 5-6 mm. long and about 1 mm. broad, narrowly ligulate. Column of the genus.



MEXICO: in grass, in shady places in forest, about Tomasopo, State of San Luis Potosi, longitude ca.  $99^{\circ}23'$  West, latitude ca.  $21^{\circ}50'$  north, at ca. 500 meters altitude, September 8, 1937, *Dino* 6957 (TYPE in Herb. Ames No. 50948).

*Habenaria umbratilis* seems to have no near allies among the Mexican *Habenarias*.

***Habenaria entomantha*** (*Llave & Lex.*) *Lindley*  
var. ***subauriculata*** (Robins. & Greenm.) *Ames & Wil-*  
*liams comb. nov.*

*Habenaria subauriculata* Robinson & Greenman in  
Proc. Am. Acad. 32 (1896) 34—Ames Orch. 4 (1910)  
254, t. 77, figs. 3-4.

*Habenaria entomantha* var. *subauriculata* differs from  
the species in having the petals entire or merely sub-  
auriculate, not deeply bifid.